

 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION (PART-II) FOR MECHANICAL WORKSHOP ITEMS		SPECIFICATION NO. EM-MHPA-2912-12-PTS-14	
			Rev. No	00
	4X180 MW MANGDECHCHU HEP		Rev Date	22/12/2017

PARTICULAR TECHNICAL SPECIFICATIONS

 Vimlanshu Prawal Horo Sr. Engineer	 Mandvi Gupta Sr. Manager
PREPARED BY	CHECKED & APPROVED BY

 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION (PART-I) FOR MECHANICAL WORKSHOP ITEMS		SPECIFICATION NO. EM-MHPA-MGD-MWS-GTS-00	
			Rev. No	00
	4X180 MW MANGDECHCHU HEP		Rev Date	21/06/2016

GENERAL TECHNICAL SPECIFICATIONS

 Vimlanshu Prawal Horo Sr. Engineer	 Mandvi Gupta Manager
PREPARED BY	CHECKED & APPROVED BY

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SECTION 2 – GENERAL CONDITIONS

1. SCOPE OF SUPPLY

The scope of supply indicating technical specification & Bill of quantity shall be as per Particular Technical specification (Details of Equipment's annexure - III) along with all essential accessories required for the successful operation of the equipment's.

2. CODES AND STANDARDS

All relevant National and International standards shall be specified and followed.

3. DESIGN CRITERIA

- 3.a. Mechanical Workshop Equipment shall be used for testing various electrical equipment/ devices during Commissioning, Operation and Maintenance of plant.
- 3.b. The equipment will be kept in a clean but hot, humid and tropical atmosphere when not in use. Equipment will be placed in dust laden, hot, humid atmosphere during its use.
- 3.c. For continuous operation at specified rating, temperature rise of various equipment/ components shall be limited to the permissible value stipulated in the relevant standards and this specification.
- 3.d. The equipment and component thereof shall be capable of withstanding the mechanical forces and thermal stresses of the short circuit current without any damage and deterioration of material.

4. SPECIFIC REQUIREMENTS & RATINGS

- 4.a. The bidder may note that the equipment ranges, ratings, quantities as detailed herein, are the minimum requirement only. The equipment shall be furnished in strict accordance with the same. All accessories for the equipment not covered here, but are necessary for satisfactory and trouble free operation of the equipment, shall be supplied by the Bidder. Bidder may also quote for optional accessories.
- 4.b. The instrument shall be designed suitably for satisfactory operation and storage in wide range of temperature variations prevailing at projects sites:

Temperature Range: 36° C to -7° C
Humidity Range: 100% to 20%
- 4.c. The portable instruments shall be suitable for hand held operation, rugged in construction and suitable for field use.
- 4.d. Power supply AC = 415/240 ± 10% V AC, 50 ± 5%Hz single phase & DC = 220 ± 10% V
- 4.e. All mechanical instruments shall be dust and moisture proof.
- 4.f. Calibration tests shall be done on all instruments, wherever applicable and calibration certificates are to be furnished with instruments.
- 4.g. Equipments shall be of shock proof.

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8. While quoting Bidder shall have to furnish unit rate for each item. Purchaser reserves the rights to add/delete quantity of any item during detailed engineering as finally required for the project. Unit rate quoted shall be applicable for price adjustment in such cases.
9. All the equipment shall be procured from reputed manufacturers and make of equipment shall be subjected to the approval of BHEL/ BHEL's Customer.

10. PERFORMANCE GUARANTEE

The bidder shall guarantee that the equipment offered shall meet the requirement as stipulated in this specification and as confirmed by them in Particular Technical Specifications (Schedule of Guaranteed Technical Particular-Duly filled in Annexure – IV If Any). In case the performance of equipment is not as per performance guarantee, the bidder will have to replace the equipment at site free of cost.

11. DEVIATION

The Bidder shall indicate the deviation, if any, in Specific Technical Specifications (Schedule of Technical Deviation) Annexure II, along with the justification for the deviation. Deviation mentioned anywhere else will not be entertained.

12. PACKAGE & CONSIGNMENT DATA

The Bidder shall pack all the equipment, their accessories and spares in road -worthy package. Bidder to indicate the number of packages of consignment together with the size (L x W x H) and weight for transporting the equipment along with their bid. Vendor has to submit packing list and other documents as per TABLE 2, Annexure - I along with items supplied.

Each package shall be legibly marked with the following information:

Applicable for MANGDECHCHU HEP:

MECHANICAL WORKSHOP EQUIPEMENTS

4X180 MW MANGDECHCHU HEP

BHEL Purchase Order No:

Job No:

2912-12

Supplier's Name:

Manufacturer's Name:

Name of the Equipment:

Quantity:

Weight:

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Annexure – II

Schedule of Technical Deviation

Sr No.	Item	Deviation	Justification for Deviation

Use extra sheet if required.

Note: Bidder has to indicate clearly the deviations if any w.r.t. specification. Bidder has to indicate all the deviations on this Annexure – II only, deviations mentioned elsewhere in Bidder's offer will not be considered.